

Appl. No. : 09/684,150
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determining the size of said foot imprint; and
determining the curvature of one or more portions of said foot imprint.

9. A method of determining the size and shape of a foot comprising:
obtaining scanned image data of an imprint of the foot at one or more points, said image data including a luminance value;
determining a depth of the imprint at one or more points with said luminance value at said one or more points and a slope of the luminance value at said one or more points.

Please add the following new claim:

19. A method of determining the size and shape of a foot comprising:
scanning an imprint of a foot to obtain pixel image data regarding the imprint at a plurality of points, said pixel image data including RGB color data;
determining the depth of said imprint at one or more points comprising the following steps:
converting said RGB data at one or more points to YIQ data; and
determining the depth of said imprint at one or more points from the Y component of said data at said one or more points and the slope of the Y component at said one or more points;
determining the size of said foot from said imprint by:
enhancing said image by passing said pixel image data through a low pass filter; and
measuring the size of said imprint generated from said filtered data; and